

Figure 1

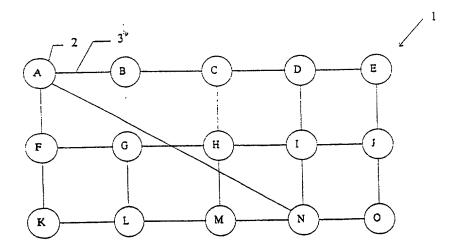


Figure 2

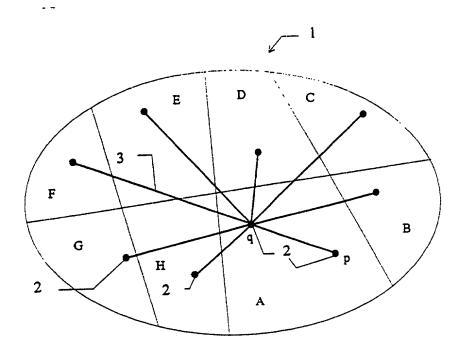


Figure 3

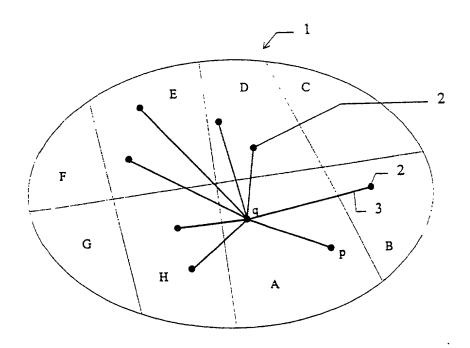


Figure 4

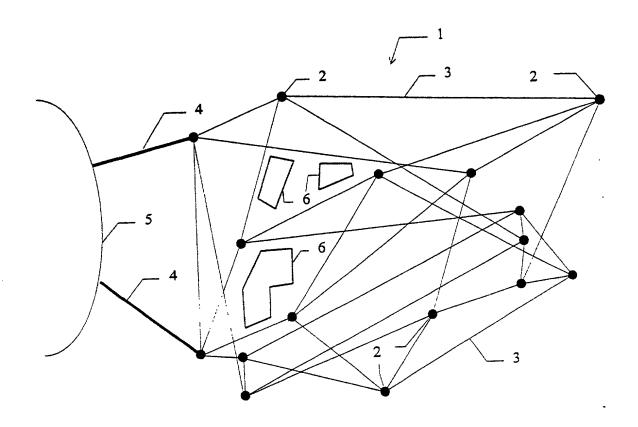


Figure 5

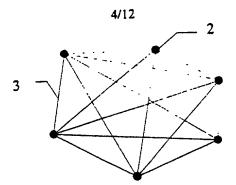


Figure 6

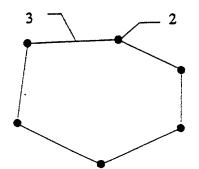


Figure 7

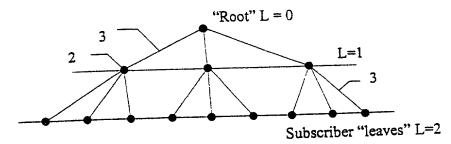


Figure 8

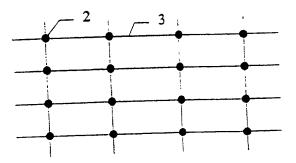


Figure 9

SUBSTITUTE SHEET (RULE 26)

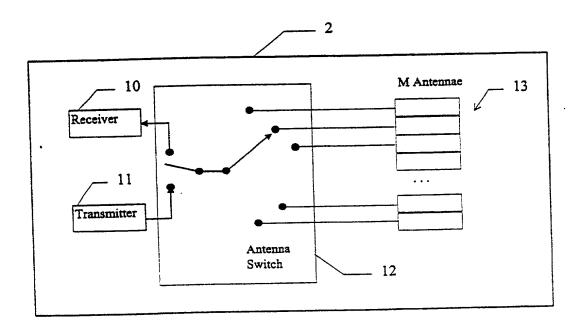


Figure 10

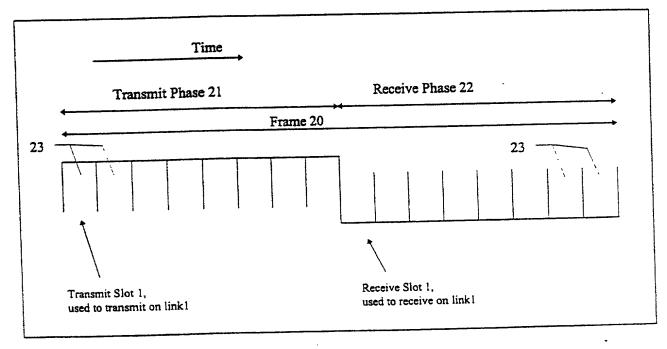


Figure 11

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		A0	Αl	A2	A3	A4	A5	Аб	A7
Figure 12A	TO	1	•	-	-	•	•	•	•
	T1	•	1	•	-	•	•	-	•
	T2	-	-	1	-	-	-	•	-
	T3	•	•	-	1	•	•	-	-
	T4	-	-	-	•	1	-	-	-
	T5	-	•	•	-	•	1	•	-
	T6	•	-	-	-	•	•	1	•
	T7	•	-	-	-	•	-	-	1

		A0	Al	A2	A 3	A4	A5	A 6	A 7
	TO	1	-	-	•	-	•	-	-
Figure 12B	T 1	1	-	-	-	•	•	-	. •
	T2	-	1		•	•	-	-	•
	T3	-	•	1		-	-	-	-
	T 4	-	-	-	-	1	-	-	-
	T5	-	•	•	•	1	-	•	•
	T6	-	-	-	-	1	-	-	
	17	-	-	-	-	•	-	-	1

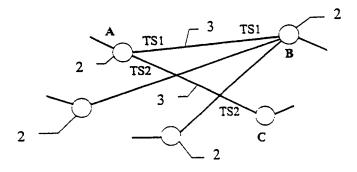


Figure 13

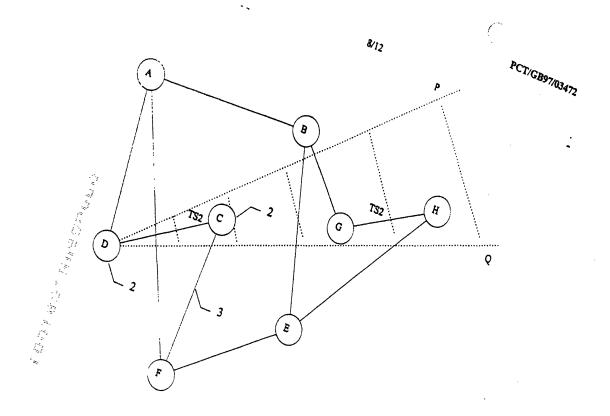


Figure 14

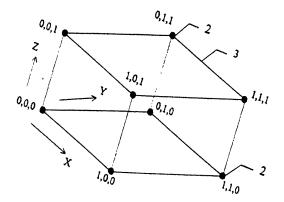


Figure 15

```
Begin RoutePacket ()
Define L of type Address;
Define next_channel, input_channel of type Channel;
Define msg of type Message;
Import messageQueue of type Queue;
forever
      if length of (messageQueue) > O then
             dequeueMessage (messageQueue, (msg, input_channel));
             if msg.status = Returned then
                    - this message has been returned.
                    handleReturnedMessage (msg, input_channel);
             else
                    - Pass message on to next node.
                    set L := msg.L
                    if L = my_L then
                    - Packet has arrived - terminates here.
                           ProcessCell (msg.cell);
                    else
                           set next_channel := decideNextChannel (L,my_L);
                           if next_channel = NoBestChannel then
                                  set msg.status := Returned;
                                  set next_channel := input_channel;
                           end if
                           SendPacketToChannel (msg, next_channel);
                     end if
              end if
       end if
end
end RoutePacket.
```

Figure 16

end decideNextChannel

```
Begin decideNextChannel (Address L, Address my L) of type Channel
  define hop of type Address;
  define weightedChannelSum, sum, weightedChannel of type Real Number;
  define bestChannel of type Channel;
  define j, unuseableChannels of type Integer;
  set hop := L - my_L;
  set weightedChannelSum := 0.0;
  set sum := 0.0;
  for j := 0 to Length of(hop)
     if ChannelUtilisation (j) > MaximumChannelUtilisation then
           set unuseableChannels := unuseableChannels + 1;
     end if
     set weightedChannelSum:= weightedChannelSum+hop[j]*j/ChannelUtilisation (j);
     set sum := sum + hop [j] / ChannelUtilisation [j];
   }
   if unuseableChannels = ActiveChannels then
   - message cannot be forwarded from this node must be handed back to sender.
     return NoBestChannel:
   end if
   set weightedChannel := weightedChannelSum / sum;
   set bestChannel := MapWeightedChannelToBestChannel (weightedChannel);
   return bestChannel;
```

Figure 17

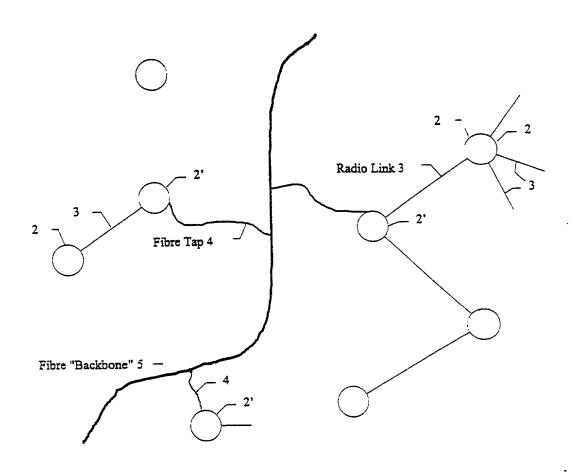


Figure 18

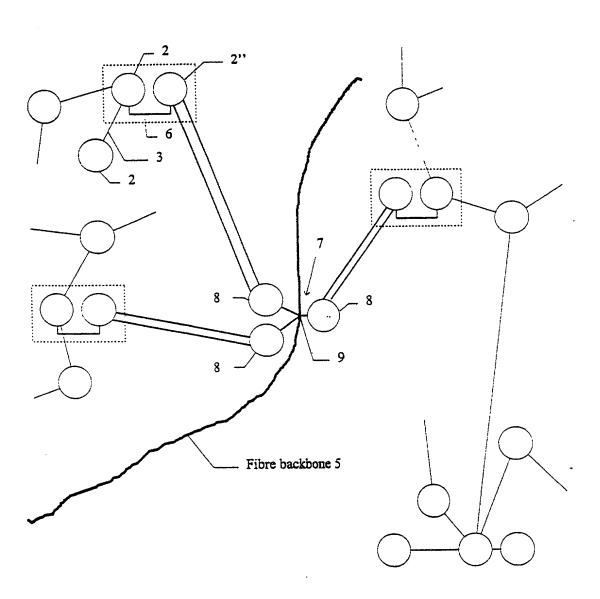


Figure 19